

INBOUND DATA STREAM CONTROLLER WITH PRE- RECOGNITION OF FRAME SEQUENCE

Abstract of the Disclosure

A data communication controller processes incoming data frames. The controller includes a pre-processing block for receiving data frames and a frame processing unit coupled to the pre-processing block. The pre-processing block is configured to compare header fields of a current frame with header fields of a previous frame. The pre-processing block provides an output signal to the frame processing unit on the basis of the comparison of the header fields of the current and previous frames. The controller may operate in accordance with the Fibre Channel protocol, and the output signal may include bits to indicate that the current frame is of the same exchange, of the same sequence, and is next in sequence relative to the previous frame.